

Date

**Permit: APC-81/0829-OPERATION (Amendment 9)(PSD-NSR)
Delaware City Refinery
Optimized NOx Emissions Limits for the Fluid Coking Unit (FCU)**

Delaware City Refining Company
4550 Wrangle Hill Road
Delaware City, DE 19706

ATTENTION: Jose Dominguez
Refinery Manager

Dear Mr. Dominguez:

Pursuant to 7 **DE Admin. Code** 1102, Section 2.1.3, approval of the Department of Natural Resources and Environmental Control is hereby granted for the incorporation of optimized short and long term NOx emission limits for the Fluid Coking Unit (FCU) at the Delaware City Refinery in Delaware City, Delaware in accordance with the following documents:

- Application for the FCU submitted on Forms AQM-1, AQM-2, AQM-3.1 and AQM-5 dated July 21, 2014 and signed by Heather Chelpaty.

This permit is issued subject to the following conditions¹:

1. **General Provisions**

- 1.6 Pursuant to the requirements of 11.5.2 of 7 **DE Admin. Code** 1102, the Department shall transfer the specified terms and conditions in these permits to the 7 **DE Admin. Code** 1130 permit via the administrative permit amendment process specified in 7 **DE Admin. Code** 1130.

2. **Emission Limitations**

- 2.1 Air contaminant emission levels from the FCU WGS shall not exceed specified by 7 **DE Admin. Code** 1100 (the *Regulations*) and the following:
- 2.1.2 NO_x:

¹ This permit supplements **Permit: APC-81/0829-OPERATION (Amendment 8)(PSD-NSR)** dated September 7, 2011 and follows the same numbering sequence.

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- 2.1.2.1 NO_x emissions shall not exceed 152 ppmvd @ 0 % oxygen on a 30-day rolling average basis.
- 2.1.2.2 NO_x emissions shall not exceed 152.0 ppmvd @ 0 % oxygen on a 7-day rolling average basis.
- 2.1.2.3 NO_x emissions shall not exceed 115.2 ppmvd @ 0 % oxygen on a 365-day rolling average basis.

7. Administrative Conditions

- 7.4 This permit supplements **Permit: APC-81/0829-OPERATION (Amendment 8)(PSD-NSR)** dated September 7, 2011 and follows the same numbering sequence. Therefore all other conditions remain unchanged.

Sincerely,

Paul E. Foster, P.E.
Program Manager
Engineering & Compliance Branch

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pc: Dover Title V File
 Dawn Minor
 Bruce Augustine – US EPA Region 3
 Cathleen VanOsten – US EPA